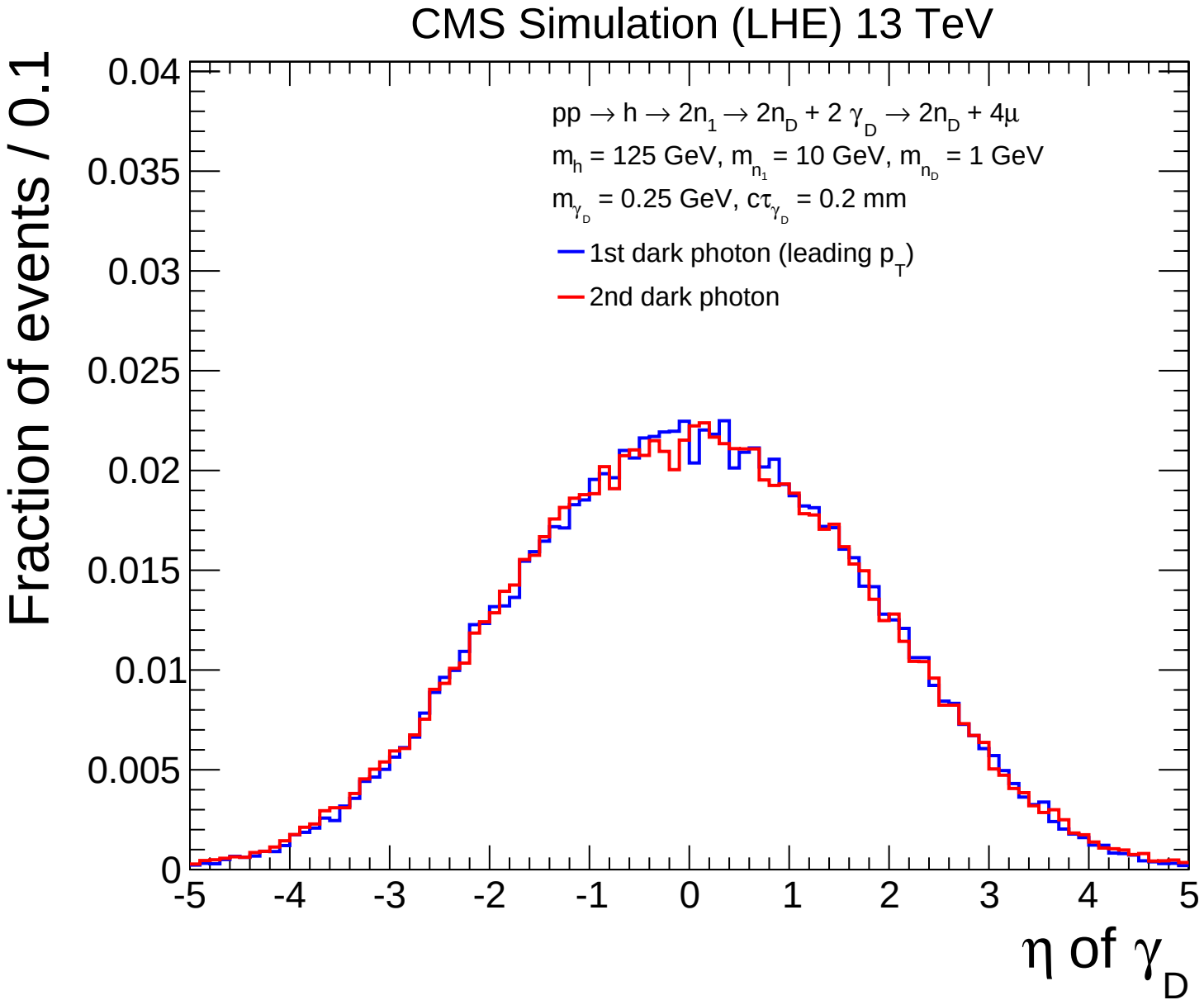
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.25 GeV, cτγD = 0.2 mm
1st dark photon (leading pT)
2nd dark photon
Fraction of events / 0.1
η of γD
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
-5
-4
-3
-2
-1
0
1
2
3
4
5